

T. Haas

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/200,657

DATE: 11/03/1999
TIME: 15:23:27

INPUT SET: S33835.raw

**This Raw Listing contains the General
Information Section and up to the first 5 pages.**

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Hein, Mich B.
6 Hiatt, Andrew C.
7 Ma, Julian K.C.
8
9 (ii) TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING ASSEMBLED
10 SECRETORY ANTIBODIES
11
12 (iii) NUMBER OF SEQUENCES: 26
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE
16 (B) STREET: 10666 North Torrey Pines Road, TPC-8
17 (C) CITY: La Jolla
18 (D) STATE: California
19 (E) COUNTRY: US
20 (F) ZIP: 92037
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: 09/200,657
30 (B) FILING DATE:
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: 08/642,406
35 (B) FILING DATE:
36
37 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: US 07/427,765
39 (B) FILING DATE: 27-OCT-1989
40
41 (viii) ATTORNEY/AGENT INFORMATION:
42 (A) NAME: Logan, April C.
43 (B) REGISTRATION NUMBER: 33,950
44 (C) REFERENCE/DOCKET NUMBER: 184.2
45
46 (ix) TELECOMMUNICATION INFORMATION:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/200,657DATE: 11/03/1999
TIME: 15:23:27

INPUT SET: S33835.raw

47 (A) TELEPHONE: (619) 554-2937
48 (B) TELEFAX: (619) 554-6312
49
50

51 (2) INFORMATION FOR SEQ ID NO:1:
52

53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 18 base pairs
55 (B) TYPE: nucleic acid
56 (C) STRANDEDNESS: single
57 (D) TOPOLOGY: linear
58

59 (ii) MOLECULE TYPE: DNA (genomic)
6061 (iii) HYPOTHETICAL: NO
6263 (iv) ANTI-SENSE: NO
64
65
6667 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
6869 CCTTGACCGT AAGACATG
70

18

71 (2) INFORMATION FOR SEQ ID NO:2:
72

73 (i) SEQUENCE CHARACTERISTICS:
74 (A) LENGTH: 22 base pairs
75 (B) TYPE: nucleic acid
76 (C) STRANDEDNESS: single
77 (D) TOPOLOGY: linear
78

79 (ii) MOLECULE TYPE: DNA (genomic)
8081 (iii) HYPOTHETICAL: NO
8283 (iv) ANTI-SENSE: NO
84
85
8687 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
8889 AATTCATGTC TTACGGTCAA GG
90

22

91 (2) INFORMATION FOR SEQ ID NO:3:
92

93 (i) SEQUENCE CHARACTERISTICS:
94 (A) LENGTH: 33 base pairs
95 (B) TYPE: nucleic acid
96 (C) STRANDEDNESS: single
97 (D) TOPOLOGY: linear
98

99 (ii) MOLECULE TYPE: DNA (genomic)

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/200,657DATE: 11/03/1999
TIME: 15:23:28

INPUT SET: S33835.raw

100
101 (iii) HYPOTHETICAL: NO
102
103 (iv) ANTI-SENSE: NO
104
105
106
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
108
109 TGTGAAAACC ATATTGAATT CCACCAATAC AAA 33
110
111 (2) INFORMATION FOR SEQ ID NO:4:
112
113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 45 base pairs
115 (B) TYPE: nucleic acid
116 (C) STRANDEDNESS: single
117 (D) TOPOLOGY: linear
118
119 (ii) MOLECULE TYPE: DNA (genomic)
120
121 (iii) HYPOTHETICAL: NO
122
123 (iv) ANTI-SENSE: NO
124
125
126
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
128
129 ATTTAGCACA ACATCCATGT CGACGAATTC AATCCAAAAA AGCAT 45
130
131 (2) INFORMATION FOR SEQ ID NO:5:
132
133 (i) SEQUENCE CHARACTERISTICS:
134 (A) LENGTH: 42 base pairs
135 (B) TYPE: nucleic acid
136 (C) STRANDEDNESS: single
137 (D) TOPOLOGY: linear
138
139 (ii) MOLECULE TYPE: DNA (genomic)
140
141 (iii) HYPOTHETICAL: NO
142
143 (iv) ANTI-SENSE: NO
144
145
146
147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
148
149 GGGGAGCTGG TGGTGAATT CGTCGACCTT TGTCTCTAAC AC 42
150
151 (2) INFORMATION FOR SEQ ID NO:6:
152

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/200,657DATE: 11/03/1999
TIME: 15:23:28

INPUT SET: S33835.raw

153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 30 base pairs
155 (B) TYPE: nucleic acid
156 (C) STRANDEDNESS: single
157 (D) TOPOLOGY: linear
158
159 (ii) MOLECULE TYPE: DNA (genomic)
160
161 (iii) HYPOTHETICAL: NO
162
163 (iv) ANTI-SENSE: NO
164
165
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
168
169 CCATCCCATG GTTGAATTCA GTGTCGTCAG 30
170
171 (2) INFORMATION FOR SEQ ID NO:7:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 45 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: DNA (genomic)
180
181 (iii) HYPOTHETICAL: NO
182
183 (iv) ANTI-SENSE: NO
184
185
186
187 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
188
189 CTGCAACTGG ACCTGCATGT CGACGAATTC AGCTCCTGAC AGGAG 45
190
191 (2) INFORMATION FOR SEQ ID NO:8:
192
193 (i) SEQUENCE CHARACTERISTICS:
194 (A) LENGTH: 42 base pairs
195 (B) TYPE: nucleic acid
196 (C) STRANDEDNESS: single
197 (D) TOPOLOGY: linear
198
199 (ii) MOLECULE TYPE: DNA (genomic)
200
201 (iii) HYPOTHETICAL: NO
202
203 (iv) ANTI-SENSE: NO
204
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/200,657DATE: 11/03/1999
TIME: 15:23:28

INPUT SET: S33835.raw

206
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
208
209 CCTGTAGGAC CAGAGGAATT CGTCGACACT GGGATTATTT AC 42
210
211 (2) INFORMATION FOR SEQ ID NO:9:
212
213 (i) SEQUENCE CHARACTERISTICS:
214 (A) LENGTH: 75 base pairs
215 (B) TYPE: nucleic acid
216 (C) STRANDEDNESS: single
217 (D) TOPOLOGY: linear
218
219 (ii) MOLECULE TYPE: DNA (genomic)
220
221 (iii) HYPOTHETICAL: NO
222
223 (iv) ANTI-SENSE: NO
224
225
226
227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
228
229 GAATTCATTC AAGAATAGTT CAAACAAGAA GATTACAAAC TATCAATTTT ATACACAATA 60
230
231 TAAACGATTA AAAGA 75
232
233 (2) INFORMATION FOR SEQ ID NO:10:
234
235 (i) SEQUENCE CHARACTERISTICS:
236 (A) LENGTH: 90 amino acids
237 (B) TYPE: amino acid
238 (D) TOPOLOGY: linear
239
240 (ii) MOLECULE TYPE: peptide
241
242 (v) FRAGMENT TYPE: N-terminal
243
244
245
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
247
248 Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala Ser Ser
249 1 5 10 15
250
251 Ala Leu Ala Ala Pro Val Asn Thr Thr Glu Asp Glu Thr Ala Gln
252 20 25 30
253
254 Ile Pro Ala Glu Ala Val Ile Gly Tyr Ser Asp Leu Glu Gly Asp Phe
255 35 40 45
256
257 Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
258 50 55 60

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/200,657

DATE: 11/03/1999
TIME: 15:23:29

INPUT SET: S33835.raw

Line

Error

Original Text

PAGE: 1

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/200,657

DATE: 11/03/1999
TIME: 15:23:29

INPUT SET: S33835.raw

< < THERE ARE NO ITEMS MISSING > >

PAGE: 1

SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/200,657

DATE: 11/03/1999
TIME: 15:23:29

INPUT SET: S33835.raw

Line

Original Text

Corrected Text